

Storm _____ Date named _____

Data for Storm Event in Atlantic Ocean, September

Date	Latitude °N	Longitude °W	Wind Speed (mph)	Classification
03	8.0	35.0	35	
04	8.5	36.0	40	
05	9.3	41.4	69	
05	9.5	43.4	74	
05	9.8	45.1	98	
05	10.2	46.8	127	
06	10.6	48.5	132	
06	11.0	52.5	127	
07	11.3	57.8	109	
07	11.6	59.4	115	
08	12.0	62.6	132	
08	13.0	67.0	138	
09	13.3	68.3	150	
09	13.7	69.5	161	
09	14.2	70.8	161	
10	15.7	73.8	144	
10	16.8	75.8	138	
11	17.7	78.4	144	
11	18.0	79.0	167	
12	18.2	79.6	167	
12	19.1	82.1	150	
13	20.4	84.1	161	
13	20.9	84.7	161	
14	21.6	85.1	161	
15	24.7	87.0	138	
15	26.6	87.4	138	
16	28.9	88.2	127	
16	30.0	87.9	121	
16	31.4	87.7	81	
16	32.5	87.4	58	
17	33.8	86.5	35	
18	37.0	80.5	23	
18	38.4	76.7	17	
18	38.0	75.5	29	
19	32.8	75.8	40	
20	31.0	77.5	40	
20	26.4	79.1	29	
21	25.8	81.7	29	
22	25.1	86.1	29	
22	26.5	88.6	35	
23	27.1	89.5	40	
23	29.2	92.7	46	
24	30.1	94.2	29	
24	9.7	27.6	inland	

Checking for Understanding

1. Was it necessary to name the storm? On what date did you name the storm?

2. Why did you name the storm on that particular date?

3. Estimate how long it took for the storm to strengthen from a tropical depression to hurricane strength. Name the dates involved with your estimate.

4. Estimate how long it took for the storm to strengthen from a Category 1 on Sept. 5 to a Category 5.

What do you think this means for the people that might be affected by hurricanes?

5. Many people think that after a hurricane's strength starts to decrease, the hurricane is "dying out." What does the data about this hurricane tell you about that idea? Explain.

6. Many people think that after a hurricane passes them, the danger is over. What does the data about this hurricane tell you about that idea? Explain.

7. Which areas do you think should receive advisories, storm watches, or storm warnings on Sept. 15? (See the Vocabulary section for definitions of tropical storm watch and tropical storm warning.)

8. Which areas do you think should receive advisories, storm watches, or storm warnings on Sept. 22, a week later?

9. Why would the storm still be a threat to these areas on Sept. 22 even though it lessened to tropical depression status?